

PREPARATION OF HIGHLY ABSORPTIVE POLYMER

Publication number: JP60088047 (A)

Publication date: 1985-05-17

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Classification:

International: C08K5/00; A61F13/53; A61L15/00; A61L15/50; C08K5/37; C08L5/00; C08K5/00;
A61F13/15; A61L15/00; A61L15/16; C08L5/00; (IPC1-7): A61L15/00; C08L5/00

European:

Application number: JP19830198025 19831021

Priority number(s): JP19830198025 19831021

Abstract of JP 60088047 (A)

PURPOSE: To prepare a polymer composition having excellent absorbing power for ionic solutions, by dissolving carrageenan and locust bean gum in water by heating which is allowed to gel on cooling, followed by drying thereof. CONSTITUTION: Carrageenan and locust bean gum are dissolved in water by heating at a temperature of at least 50 deg.C. The solution is cooled without stirring to cause gelation, and dried after dehydration or freeze-dried. The polymer composition can also be obtained in the form of a fiber or a film by extruding the gel polymer composition aforementioned, when dehydrating, through a nozzle or a slit into a dehydrating solvent. The higher the content of locust bean gum, the higher does the absorbing power tend to be. For especially excellent absorbing power, the ratio of locust bean gum/carrageenan is preferably not less than 1.

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